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# THE UNIVERSITY OF TENNESSEE BULLETIN

REGISTER 1918-19

ANNOUNCEMENT 1919-20

CATALOG NUMBER



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## THE COLLEGE OF MEDICINE MEMPHIS

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- The University of Nashville Medical Department, Founded 1850
- The College of Physicians and Surgeons of Memphis, Founded 1906
- The Memphis Hospital Medical College, Founded 1878.
- The Lincoln Memorial University Medical Department, Founded 1889

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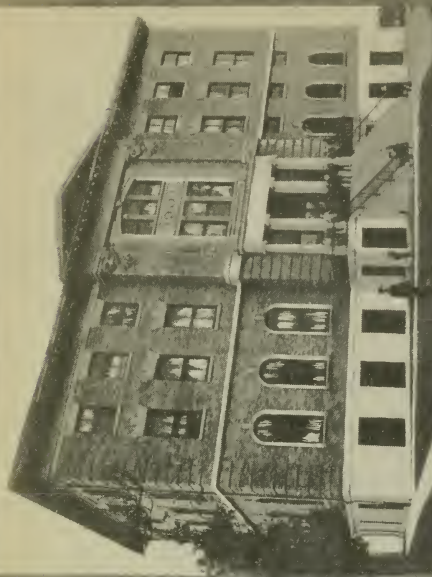




LINDSLEY HALL



EVE HALL



ROGERS HALL



BAPTIST  
MEMORIAL  
HOSPITAL



MEMPHIS GENERAL HOSPITAL



THE UNIVERSITY OF TENNESSEE

# BULLETIN

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THE COLLEGE OF MEDICINE

MEMPHIS

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REGISTER OF THE SIXTY-EIGHTH SESSION

SEPTEMBER 21, 1918—JUNE 4, 1919

ANNOUNCEMENT OF THE SIXTY-NINTH SESSION

SEPTEMBER 20, 1919—JUNE 2, 1920

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UNIVERSITY OF TENNESSEE BULLETIN

VOL. X, NO. I

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MEMPHIS, TENNESSEE,  
MAY, 1919.

CALENDAR 1919												1920									
JANUARY						JULY						JANUARY									
S. M. T. W. T. F. S.						S. M. T. W. T. F. S.						S. M. T. W. T. F. S.									
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## CALENDAR

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### 1919.

Jan. 6, Monday (8 a.m.).....Regular exercises resumed.  
Jan. 25, Saturday.....First Semester ends.  
Jan. 27-Feb. 1.....Examination period.  
Feb. 3, Monday.....Second Semester begins.  
Feb. 22, Saturday.....Washington's Birthday; a holiday.  
March 31, Monday.....Fourth Semisemester begins.  
May 24, Saturday.....Second Semester ends.  
May 26-June 1.....Examination period.  
June 4, Wednesday.....Commencement exercises.

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Sept. 18-19 .....Supplementary examination period  
Sept. 19-20 .....Matriculation and registration.  
Sept. 20, Saturday (10 a.m.).....Assembly—Rogers Hall Auditorium.  
Sept. 20, Saturday (6 p.m.).....Matriculation and registration cease  
except on payment of extra fee  
of \$2.  
Sept. 22, Monday (8 a.m.).....Regular exercises begin as scheduled.  
Sept. 29, Monday (6 p.m.).....Matriculation and registration cease.  
Nov. 17, Monday.....Second Semisemester begins.  
Nov. 27, Thursday .....Thanksgiving Day; a holiday.  
Dec. 20, Saturday (6 p.m.).....Christmas recess begins.

### 1920.

Jan. 5, Monday (8 a.m.).....Regular exercises resumed.  
Jan. 24, Saturday .....First Semester ends.  
Jan. 26-Jan. 31 .....Examination period.  
Feb. 2, Monday.....Second Semester begins.  
March 29, Monday.....Fourth Semisemester begins.  
May 22, Saturday .....Second Semester ends.  
May 24-May 29.....Examination period.  
June 2, Wednesday.....Commencement exercises.

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THE SUPERINTENDENT OF PUBLIC INSTRUCTION.....	<i>Ex-Officio</i>
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*Term Expires.*

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Second .....	EDWARD T. SANFORD, Knoxville.....	July 1, 1923
Third .....	H. CLAY EVANS, Chattanooga.....	July 1, 1925
Fourth .....	T. W. HUNTER, Hendersonville.....	July 1, 1927
Fifth .....	W. P. COOPER, Shelbyville.....	July 1, 1929
Sixth .....	E. M. SANDERS, Nashville.....	July 1, 1929
Seventh .....	SAMUEL N. WARREN, Spring Hill.....	July 1, 1927
Eighth .....	I. B. TIGRETT, Jackson.....	July 1, 1925
Ninth .....	SPENCER F. THOMAS, Brownsville.....	July 1, 1923
Tenth .....	C. P. J. MOONEY, Memphis.....	July 1, 1923

## *From the City of Knoxville:*

HU L. McCLUNG.....	Knoxville .....	July 1, 1919
JAMES MAYNARD .....	Knoxville .....	July 1, 1919

## *From the City of Memphis:*

BOLTON SMITH .....	Memphis .....	July 1, 1927
JAMES S. ROBINSON.....	Memphis .....	July 1, 1927

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THOMAS D. MORRIS .....	<i>Secretary and Treasurer</i>

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*Building Committee:* THE PRESIDENT, McCLUNG, MAYNARD.

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\*Died January 28, 1919.



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\*With the colors.

\*Died January 28, 1919.

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WILLIAM THOMAS BLACK, M.D., F.A.C.S., *Instructor in Gynecology.*

JESSE JAMES CULLINGS, M.D., *Instructor in Medicine; Chief of Medical Section of Out-Patient Clinics.*

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\*ERNEST LYNNE ANDERSON, M.D., *Clinical Assistant in Orthopedic Surgery.*

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\*PERCY AUGUSTUS PERKINS, M.D., *Clinical Assistant in Surgery.*

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ARTHUR GARDNER QUINN, M.D., *Clinical Assistant in Pediatrics.*

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PERCY HOXIE WOOD, M.D., *Clinical Assistant in Gynecology.*

#### ASSISTANT.

ELISE McLaurin Rutledge, M.D., *Assistant in Anatomy.*

---

ORREN WILLIAMS HYMAN, M.A., *Registrar-Bursar.*

ETHEL RAMAGE, *Librarian.*

MARY WILSON TURNER, *Assistant to the Registrar-Bursar.*

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\*With the colors.

#### SUMMARY.

President .....	1
Professors .....	31
Associate Professors .....	6
Assistant Professors .....	2
Instructors .....	12
Lecturers .....	3
Associates .....	12
Clinical Assistants .....	46
Assistants .....	1
Other Officers .....	4

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Totals .....	118
Listed twice .....	2

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Officers of Administration and Instruction..... 116

## COMMITTEES OF THE FACULTY OF MEDICINE

---

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To the Freshman Class.....*Professor Nash*

# COLLEGE OF MEDICINE\*

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## HISTORICAL SKETCH

The Medical Department of the University of Tennessee was founded in Nashville in 1876. In 1909 an agreement was entered into with the Medical Department of the University of Nashville (founded 1850) whereby these schools were operated for two years under the title of the "Joint Medical Department of the University of Nashville and University of Tennessee." At the end of this time the Board of Trustees of the University of Nashville, deciding to withdraw from medical instruction, transferred to the Board of Trustees of the University of Tennessee all of its equipment and the good will of its medical department. By specific action the Board of Trustees of the University of Tennessee was authorized to claim the College of Medicine to be operated by it as the legal successor and continuation of the Medical Department of the University of Nashville.

In the same year the Board of Trustees of the University of Tennessee determined to take advantage of the superior clinical facilities of Memphis by removing the College of Medicine to that city. An agreement was therefore effected with the College of Physicians and Surgeons (founded 1906) under which the College of Medicine commenced the session of 1911-12 in Memphis in buildings adjacent to the hospitals and acquired from the College of Physicians and Surgeons. A new laboratory building was erected in 1912. By the agreement of January 10, 1913, there were secured the faculty, buildings, and equipment of the Memphis Hospital Medical College (founded 1878), together with full teaching privileges in all of the hospitals and charitable institutions of Memphis and Shelby County. Finally, in June, 1914, the Medical Department of the Lincoln Memorial University (founded in Knoxville, 1889) was discontinued and its students transferred to this college for the completion of their courses.

The successful amalgamation of these five medical schools was an important step in the development of medical education not only in the State of Tennessee but throughout the entire South. The College as now organized possesses all the advantages of location, physical plant, clinical facilities, and faculty essential to a great school of medicine. In the session of 1917 the Tennessee Legislature authorized a bond issue of one million dollars, the proceeds of which should be used for permanent improvements in the various colleges of the University of Tennessee at the discretion of the Board of Trustees. At the same time a tax of one-half mill on all property in the State was levied for the maintenance of the University. This adequate financial support insures the continued operation of the College of Medicine upon a scale of ever increasing usefulness.

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\*Member of Association of American Medical Colleges.

## THE COLLEGE BUILDINGS

## LINDSLEY HALL.

Lindsley Hall, 875-883 Madison Avenue, is named in honor of Dr. J. Berrian Lindsley, the organizer and first dean of the Medical Department of the University of Nashville. It is on the East End car line and may be reached in five minutes from the heart of the city. Across the street is the Memphis General Hospital, adjoining which are the Municipal Hospital for Contagious Diseases, and the Children's Hospital. Adjoining the buildings on the east is the Baptist Memorial Hospital.

Lindsley Hall is constructed of buff brick and stone, is four stories high, and has hardwood interior finish throughout. The first floor is devoted entirely to clinical teaching. On this floor are eight clinic rooms, the dispensary and dispensary storeroom, waiting rooms and locker space for students. On the second floor are the offices of the Registrar-Bursar, the faculty reading room, the laboratories of Organic and Physiological Chemistry, and a lecture room with a seating capacity of one hundred and twenty-five. On the third floor is the general library. This room is well lighted by windows on three sides and by skylights from above. It contains ample shelf space, arranged on the alcove plan, and a large reading room. The third floor also has one large and one smaller lecture hall. The fourth floor is occupied by the lecture room and laboratories of the School of Pharmacy.

## EVE HALL.

Eve Hall, 874-882 Monroe Avenue, is named after Dr. Paul F. Eve, Sr., one of the organizers of the Medical Department of the University of Tennessee. It is of uniform architecture and construction with Lindsley Hall and occupies the south half of the same square. The first and second floors are occupied by clinic rooms and afford quarters for part of the free dispensary. The upper floors are similar to each other in disposition. Each contains a large, well-lighted room so arranged as to be available for both lectures and laboratory work, a smaller laboratory and storeroom, the departmental library, and the professor's office. The third and fourth floors are occupied by the Division of Pathology and Bacteriology.

## ROGERS HALL.

Rogers Hall, located at the intersection of Marshall and Union Avenues, is named in honor of Dr. William E. Rogers, the founder of the Memphis Hospital Medical College. It is situated on the opposite side of Forest Park from Lindsley Hall and Eve Hall. It is a four-story brick and stone building fronting on Union Avenue. The south half of the first floor has been set apart for the Dental Laboratories, while the north side of this floor is occupied by the Department of Physiology. On the second floor is the Dental Operatory and the office of the Registrar of the College of Dentistry. Occupying the north half of the second floor is Rogers Auditorium, which

has a seating capacity of one thousand. A large amphitheatre extends through parts of the first and second floors. On the third floor is a lecture room with seating capacity of one hundred and seventy-five, and the laboratory of Histology and Embryology, with an adjacent private laboratory and departmental library. The fourth floor is occupied by the Department of Anatomy. There are a large dissecting room, well lighted by windows and skylights and equipped with adequate electric lights; a well-appointed embalming room; a cold storage room; the departmental museum; and a private laboratory equipped for cross section work. On the same floor are the laboratory of operative surgery and the office of the professor of Anatomy, which contains the departmental library.

### MUSEUMS.

Each department has its own museum, which is adjacent to the departmental laboratory. The contents of the museums are prepared especially as aids in instruction and are freely used as such. The value and contents of the several museums are rapidly increasing.

### LABORATORIES.

Commodious laboratories, designed and equipped for the work of the several courses, are established, as follows: Anatomy, Histology and Embryology, Organic and Physiological Chemistry, Physiology and Pharmacology, Bacteriology and Clinical Diagnosis, Pathology, and Operative Surgery.

Individual lockers, fully equipped with the usual apparatus required for the proper conduct of the work, are assigned to the students. The more expensive and less frequently used articles are obtainable on temporary loan, as required, from the supply stores connected with the several general laboratories. There are no special laboratory fees, but each student is made responsible for the equipment issued to him, and any actual damage is charged against his contingent deposit after his outfit is checked in at the end of the respective course.

Research laboratories are provided in connection with the general laboratories for the use of the full time teachers in charge of the courses and advanced students engaged in special work. These are provided with the special apparatus and supplies required and contain the current literature and books of especial interest.

### LIBRARIES.

The general library of the College is in Lindsley Hall. The number of volumes in the general library is being increased each year by the acquisition of modern books by purchase and donation. A librarian is employed to place the books at the service of the students. In the reading room of the library are placed copies of the leading medical and scientific journals and magazines, while the bound volumes are preserved in the stacks. In addition, each laboratory department has its special library,



in which are gathered the books which deal exclusively with the subjects of that department. These books are always easily accessible from the laboratories.

The library fee charged to students is used to supplement the regular annual appropriation for additions to the general library.

## CLINICAL FACILITIES

In the immediate vicinity of the College are located the Memphis General Hospital, the Baptist Memorial Hospital, the Municipal Hospital for Contagious Diseases, and the Memphis Children's Hospital. These have an aggregate of over three hundred free beds and a daily average of more than two hundred charity patients, all of whom are available for clinical instruction. In addition, St. Joseph's Hospital, the College Free Dispensary, and the Shelby County Poor and Insane Asylum offer important clinical facilities, which are at the disposal of the College of Medicine.

### MEMPHIS GENERAL HOSPITAL.

Directly across Madison Avenue from Lindsley Hall is the Memphis General Hospital, which is in the closest affiliation with the College of Medicine. The Medical Board, appointed by the Superintendent and Board of Trustees of the Hospital on nomination by the Dean of the College, has entire control of all the medical affairs of the hospital, including the nomination of the Visiting Staffs. The Winter Staff, which serves during the months of September to May, inclusive, is selected from among the Faculty of the College of Medicine. The Hospital has a capacity of two hundred and fifty beds and a daily average of over one hundred and fifty charity patients, all of whom are utilized for clinical instruction under the direction of the Visiting Staff.

### OUT-PATIENT DEPARTMENT.

The first floor of Lindsley Hall and the first and second floors of Eve Hall are set aside for this service, each being suitably divided into a number of small rooms for the use of the different types of patients. The students of both the Junior and Senior classes serve here in small sections, which rotate among the several divisions. The average daily attendance of patients during the current session is in excess of eighty.

### MUNICIPAL HOSPITAL FOR CONTAGIOUS DISEASES.

This Hospital is located directly in the rear of the General Hospital. Small sections of the Senior Class are conducted here daily by members of the Visiting Staff, who give practical instruction in the clinical appearances of contagious diseases, complications, nursing, treatment, methods of isolation, etc.

### MEMPHIS CHILDREN'S HOSPITAL.

This building has recently been erected within the grounds of the General Hospital. It has a capacity of forty-eight beds. The Senior students

are here given practical instruction in the care and treatment of infants, including both therapeutic measures and the more important hygienic and dietetic considerations.

#### BAPTIST MEMORIAL HOSPITAL.

The Baptist Memorial Hospital is adjacent to Lindsley Hall. By contract with this institution the staff of the hospital must be selected from the Faculty of the College of Medicine.

The completion of the new wing has placed over eighty charity beds at the disposal of the College for teaching purposes.

Senior students serve here in sections, their duties being the taking of histories, making complete physical examinations, doing the necessary clinical laboratory work and making daily notes on the progress of the cases under their care.

#### OTHER CLINICAL FACILITIES.

St. Joseph's Hospital is largely under the clinical control of members of the Faculty. The Shelby County Poor and Insane Asylum affords a wealth of material in the way of neurological cases, both functional and organic, as well as many types of mental derangements; these are utilized by the professors of neurology and psychiatry and their assistants.

#### GRADUATE HOSPITAL APPOINTMENTS.

About twenty-four appointments to positions as graduate resident internes in the local hospitals are at the direct disposal of the College of Medicine. These appointments are recommended by the Committee on Internes at the end of the Senior year upon the basis of the records of students during this period. The terms of service in the various institutions is one year; board and lodging is furnished. There are more appointments than graduates.

#### HONORS.

At Commencement, a gold medal, known as the Faculty Medal, is awarded that member of the graduating class whose general record throughout the four years' course has been most satisfactory. This award is not made entirely upon a numerical average of grades, but upon the entire record of the student's scholarship, faithfulness to duty, and practical efficiency being given due consideration.

Any four-year student of this College is eligible for this honor. Students who have entered with advanced time and subject credit for not more than two years may become eligible by taking with the regular classes the final examinations in those subjects for which they secured entrance credit.

*Certificates of Honor.*—A Certificate of Honor will be awarded to each graduating student who, during his four years' study of Medicine, has made a record in scholarship, faithfulness to duty, and practical efficiency in laboratory and clinical work which, in the opinion of the Committee

on Honors, will entitle him to such a certificate. In general, the award of these certificates will be limited to students chosen from a group whose scholastic average has been equivalent to a grade of G.

### TENNESSEE MEDICAL ALUMNI SCHOLARSHIPS.

A limited number of scholarships are offered by the Tennessee Chapter of Medical Alumni of the University of Tennessee. These scholarships are known as the Tennessee Medical Alumni Scholarships. The value of each is \$100 per year. They are restricted in award to residents of Tennessee. They have been established with the intent of aiding worthy students who are not financially able to continue their medical studies.

### GENERAL INFORMATION.

Inquiries in regard to any points not fully explained in the Bulletin are welcomed and will receive prompt attention. Prospective candidates for admission, whether definitely decided or not, should communicate with the Registrar early in the summer in order that any uncertainties in regard to entrance credentials may be cleared up and, if necessary, minor deficiencies removed by examination in September.

On arriving in Memphis, students not already well acquainted in the city should hold their baggage checks and go at once to the Registrar's office, which is located in Lindsley Hall, 879 Madison Avenue, and may be reached by the Fair Grounds cars. Here they may obtain information in regard to approved boarding houses and will be assisted in securing desirable accommodations.

Students are expected to adjust their arrivals in Memphis so that they may secure board and effect matriculation and registration on the days set apart for the purpose (September 19, 20, 1919). Failure to report in person by the end of the first day of the session (September 20, 1919) will mean a loss of a portion of the regular course of instruction, which begins promptly at 8 a.m. the following Monday, and involves the payment of an extra fee of two dollars.

# REQUIREMENTS FOR ADMISSION

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## ADMISSION TO THE FIRST YEAR MEDICAL COURSE.

The minimum requirements for admission to the First Year Medical Course are as follows:

1. Graduation from an acceptable high school (or demonstration by examination of equivalent preliminary education), to be followed by
2. At least two full years of work in an institution of collegiate rank,<sup>1</sup> including certain specified hours of instruction in Biology, Chemistry, Physics, English, and German or French.

Acceptable evidence of having satisfied the requirements for admission to the First Year Course in Medicine is as follows:

1. High School Work.

- a. A certificate from an accredited secondary school,<sup>2</sup> executed upon the form provided by the University, stating in detail the work done by the student in each subject for which he desires credit. This certificate must be completed by the principal or superintendent of the school *and mailed by him direct to the University*. Presentation of a diploma will not take the place of this certificate, which must be executed in full in every case and placed permanently on file with the University. The work certified must represent at least fourteen units of credit (a unit representing a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work). These fourteen units must include three in English, two in mathematics, two in foreign language (both in the same language), and one in history; the remaining six units may be selected from the subjects ordinarily acceptable for admission to colleges of liberal arts or science, provided that not more than three of them may be in vocational subjects.

- b. Examination in subjects equivalent to the requirement under (a) by the College Entrance Examination Board or by the College of Liberal Arts at Knoxville. No examinations in high school subjects are conducted in Memphis.

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<sup>1</sup>The purpose of the requirement of two years of college work is to secure the benefits of collegiate training preliminary to the study of medicine. Work in professional schools is not equivalent to this. This requirement will not be satisfied, therefore, by attendance upon schools of law, dentistry, pharmacy, veterinary medicine, normal schools, or business colleges.

<sup>2</sup>The high schools, normal schools and preparatory schools of Tennessee which are regularly credited by the University of Tennessee (for a list of which see the Register), and the schools accredited by the Association of Colleges and Preparatory Schools of the Southern States and the schools accredited to the state universities which are included in the membership of this association.

## 2. College Work.

a. Completion of the Pre-medical Course in the University of Tennessee,\* or

b. A transcript, furnished direct to the University by the college of issue, showing the completion of two full college years of not less than thirty-two weeks each in an institution of collegiate rank,† including courses in biology, chemistry, physics, English, and French or German of the minimum extent indicated by the following schedule:

Subject	Total hours lectures or recitations	Total hours laboratory work	Total minimum hours didactic and laboratory	Hours of instruction weekly
Biology.....	64 or 96	128 or 64	192 or 160*	6 or 5
Chemistry.....	96	192	288	9
English.....	96	.....	96	3
German or French.....	128 or 96	.....	128 or 96	4 or 3
Physics.....	64	128	192	6
Totals.....	448	448 or 384	896 or 832	28 or 26

The character of the instruction and content of each course should be similar to those in the corresponding subjects as offered in the Pre-Medical Course of The University of Tennessee.

## ENTRANCE CONDITIONS.

In accordance with the requirements of the Council on Education of the American Medical Association for all Class A colleges of medicine, no applicant for the degree of M.D. may be matriculated who has not removed all conditions of the pre-medical years.

## ADMISSION TO ADVANCED STANDING.

## I. CREDIT FOR COURSES IN COLLEGES OF LIBERAL ARTS OR SCIENCE.

Students from standard colleges of liberal arts or science may secure subject credit for any of the courses of the first or second years by producing evidence of having satisfactorily completed courses equivalent to those offered here, including all laboratory work. Attendance on such courses will not be required after the receipt and acceptance of satisfactory credentials by the Committee on Students. No advance *time* credit is allowed for courses completed in colleges of liberal arts or science. Subject credits for such courses cannot, therefore, shorten the four years of medical residence required for graduation.

\*At Knoxville.

†The purpose of the requirement of two years of college work is to secure the benefits of collegiate training preliminary to the study of medicine. Work in professional schools is not equivalent to this. This requirement will not be satisfied, therefore, by attendance upon schools of law, dentistry, pharmacy, veterinary medicine, normal schools or business colleges.



## II. CREDIT FOR COURSES IN OTHER MEDICAL COLLEGES.

An applicant for time and subject credit in consideration of courses completed in other colleges of medicine, must submit evidence duly certified by the proper authorities, of:

(a) Satisfaction, prior to entering this college, of the full requirements for admission in operation at the time of matriculation of the class which he seeks to enter.

(b) Residence as a matriculated medical student for a period not shorter than the residence here of the class which he desires to enter.

(c) Honorable dismissal from the last institution attended, including the satisfaction of all financial obligations.

(d) Attendance and grades in *all* courses pursued at the former institution.\*

*No credit is given for any course upon which the student failed or was conditioned in the institution from which he came unless such failure or condition shall have been removed to the satisfaction of that institution or the course repeated in full in this College.*

In addition to the above rules, which apply to all applicants for time and subject credit, the following operate according to the rank of the school from which the student comes:

*Time and Subject Credits* may be accorded as follows:

1. To students from Class A schools—

Time credit for not over three years.

Subject credit, without examination, in those subjects for which certificate of attendance and passes are held.

2. To students from Class B schools—

Time credit for not over two years.

Subject credit, without examination, in those subjects of the first and second years for which he holds certificates of attendance and passes which are acceptable to the heads of the Departments concerned and to the Committee on Students.

3. To students from Class C schools—

Time and credit for not more than one year.

Subject credit, for the courses of the first year, by examination only.†

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\*The information required under (d) should be on the form provided for that purpose by the College of Medicine, or should contain all the information called for by this form. This includes a description of content of courses, hours devoted to each, amount of practical work, percentage of attendance and final grade on each course, and a statement of the class to which the student would have been assigned had he returned to the former institution. Final grades made by supplementary examinations are to be so designated.

†Special examinations are held only during the week preceding the opening of the session in September. For 1919, these examinations will commence September 18 at 9 a.m.

## III. ASSIGNMENT TO CLASSES.

When a student has submitted all the required evidence, his record will be taken up by the Committee on Students, and he will be assigned to his class in accordance with the rules applied to the promotion of the full time students of this College. (See page 26). *No student will be assigned to a higher class than that in which he would have been registered had he returned to the college which issued his credits.*

A student who has submitted the evidence required in II, *a, b, c*, above, but whose certificates of credit are lacking, may be provisionally assigned to a class upon his own written statement of the courses for which he has credit. Such provisional assignment is only effective until the end of the third week of the session (October 11, 1919), and the student will be permanently assigned according to the certified evidence available on that date.

*Special Notice.*—Applicants for admission to advanced standing are especially urged to make early preliminary application, and to submit all credentials by mail prior to September 1. In many cases it will then be possible to advise the applicant at once as to his assignment; if this is unsatisfactory to him, the credentials will be promptly returned or forwarded elsewhere as he may direct. In certain cases, where deficiencies exist, early application will enable them to be pointed out and the student given time to prepare for removing them at the regular September examinations.

Statements by officers of the College in regard to probable assignment to classes, made by request of applicants, and in advance of the receipt of full official credentials, are to be considered as purely tentative.

## ADMISSION AS SPECIAL STUDENTS.

Graduates in Medicine desiring to pursue special laboratory or clinical courses will be enrolled as special students in any courses desired, upon payment of the scheduled fees for such courses.

Other persons over twenty-one years of age, not candidates for the degree of Doctor of Medicine, may be enrolled as special students in any courses desired, provided that, in the judgment of the Committee on Students, they are prepared to pursue such courses to advantage.

No work completed while enrolled as a special student\* can be counted toward the satisfaction of the requirements for the degree of Doctor of Medicine.

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\*"Special student" is not to be confused with "Irregular" classification. The latter is the designation of students who have satisfied in full the requirements for admission, but are taking only part of the work of a given year.

# GENERAL REGULATIONS\*

## MATRICULATION AND REGISTRATION.

Prior to enrollment in classes, students who have not been previously in attendance in the University of Tennessee, are required to matriculate, and those who have been previously in attendance are required to register at the beginning of each collegiate year.

Matriculation and registration include:

1. Application *in person* to the Committee on Admission of Students.†
2. This committee's authorization to matriculate or register.
3. Payment to the Registrar-Bursar of all fees due at the opening of the session.

Matriculation will be granted only to those students who have submitted in proper form the required evidence of preliminary education (see Requirements for Admission, pages 18-21.‡) Prospective matriculates should apply early in the summer for blank forms which are to be executed by the principals of the schools and recording officers of the colleges attended and mailed by them direct to the Registrar of the College of Medicine.

The day preceding and the first day of the session are set apart for matriculation and registration. An enrollment fine of two dollars is added to the fees of any student who fails to report in person to the Committee on Admission of Students before the end of the first day of the session (6 p. m., September 20, 1919). Matriculation and registration will be refused to applicants who fail to report in person before 6 p. m., September 29, 1919.

The Executive Committee reserves the right to refuse registration to any students whose record is such as in their judgment renders his presence a detriment to the College of Medicine or its students.

## ENROLLMENT AND CREDIT FOR ATTENDANCE.

Entry upon class rolls and credit for attendance in the several courses may be accorded by the instructors in charge only upon presentation of the Registrar-Bursar's certificate that matriculation or registration has been completed.

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\*Subject to change by the Executive Committee.

†Students previously in attendance in the College of Medicine or in the Pre-Medical Course of the University of Tennessee and holding certificates of unconditional promotion will proceed directly to the Registrar-Bursar up to the end of the first day of the session. Those not completing registration by this time, conditioned students and candidates for matriculation, will apply to the Dean of the College of Medicine.

‡In the absence of a portion of the necessary credentials, the Committee may authorize provisional matriculation for a period not extending beyond the third week of the session. If matriculation is not made permanent before the end of this period by the receipt and acceptance of all required credentials, the student will sever his connection with the College and his fees (with the exception of the matriculation fee and any necessary deduction from the contingent deposit) will be refunded.

## ATTENDANCE AND DISCIPLINE.

In any course the minimum of attendance for which credit is allowed is 80 per cent of the scheduled hours. The margin of 20 per cent is allowed to provide against serious illness or other unavoidable absence, and must never be approached except under such circumstances. Regular attendance upon all scheduled work is required, and absence without cause may debar a student from the final examination and credit for a course until he has completed such additional work as the Committee on Students may require. The Executive Committee may require the withdrawal of a student at any time for repeated infraction of the above or other regulations.

Students absent from roll call but reporting within five minutes after the beginning of any scheduled class period are marked tardy; for students reporting more than five minutes late, one hour absence is recorded for each hour or fractional part of actual absence. Students absent from the first portion or leaving before the end of a laboratory period are credited with the number of whole hours actually present, provided report is made on thus entering or leaving; absence from either the initial or final roll call without reporting to the instructor in charge is cause for a mark "absent" for the entire period.

## MARKING SYSTEM.

The marks used in all official reports of students' grades are: E, G, S, P, D, X.

The significance of these, and their approximate equivalents on a numerical basis, are as follows:

E (excellent; 95-100 per cent) is a mark of high distinction given to that very small proportion of students whose work is approximately the best that can be expected.

G (good; 85-94 per cent) is given for work clearly above the average, but not of the highest order.

S (satisfactory; 75-84 per cent) represents such work as may be expected of the average student.

P (pass; 70-74 per cent) is given for work below the average, but still deserving a pass.

D (deficient; 60-69 per cent) represents unsatisfactory work too poor to pass, but not deserving of absolute failure.

X (failure; below 60 per cent) signifies entirely unsatisfactory work; if given as a final grade it implies the repetition of the course.

## SESSIONAL AND FINAL GRADES.

*The Sessional Grade* is based upon a consideration of the record of a student as to practical work, daily recitations, and formal written, oral and practical tests throughout the course, combined in such proportions as may be determined by the teaching staff of each Division



*The Final Grade* is determined by averaging the sessional and the grade on the final examination in the proportion of approximately two to one.

*Intermediate Grades.*—At the end of the first semester and at such other times as the Dean may require, reports in each subject not complete at the time will be submitted by the heads of Departments. Such intermediate reports will show the character of the work of each student and the number of his absences during the time reported on. They are solely for the information of the Dean and Committee on Students and will not be made a part of the permanent record of students.

### EXAMINATIONS.

A final examination (which may be either written or practical or both) is held during the regular examination week at the end of that semester in which the course is scheduled to be completed. The final examination may cover all didactic and practical instruction given during the entire course.

An unsatisfactory record of practical work throughout the course, or an unsatisfactory practical examination may debar a student from the final written examination. An excellent record through the course may, in the discretion of the head of the department, excuse a student from the final examination.

There are no fees for any examinations in the College of Medicine.

The faculty require that all grades of any regular or conditional examination shall be reported to the Registrar within eight days after the date of the examination.

### SUPPLEMENTARY EXAMINATIONS.

A regularly scheduled series of examinations is held in September of each year on the two days next preceding the opening of the session. These examinations are given for the benefit of those who for sickness or other good reason were absent from the regular examinations, for those who desire to enter with credit for work in other colleges for which certificates of credit are not accepted, and for the conditioned students of this college.

For 1919 these examinations will commence Thursday, September 18, at 9 a. m. All persons interested will be present at this time and report to the Supervisor of Examinations. *No special examinations will be held at any time, except under extraordinary circumstances and by special action of the Committee on Students.*

Prospective candidates for admission, and especially those who contemplate making application for admission with advanced standing, are urged to communicate with the College of Medicine as soon after the first of June as possible. Deficiencies in preparation will then be pointed out, and in some cases may be removed by study during the summer and examination on the days scheduled above. (See Requirements for Admission, pages 18-21.)



## REQUIREMENTS FOR THE COMPLETION OF A COURSE.

## CREDITS.

The requirements for the satisfactory completion of a course are:

First—A record of attendance upon at least 80 per cent of the hours scheduled for that course.

Second—A final grade of E, G, S, or P.

No credit is allowed except for completed courses.

## CONDITIONS.

A student whose final grade in any course is D, is conditioned in that course.

Subject to the general rules under Promotion and Classification of Students, a student who is conditioned in a course is entitled to *one* re-examination in that course at the scheduled supplementary examination the next September. If he passes this examination, the Committee on Students will direct that his record be amended by substituting P for the D originally recorded, and credit is thereby conferred.

Conditions not removed at the following September examinations, either through failure to appear or otherwise, become failures; provided, that in cases of severe illness or other extraordinary circumstances the Committee on Students may by special action authorize another examination not later than the end of the first semisemester.

## FAILURES.

A student fails in a course:

1. If his record of attendance be less than 80 per cent of the hours scheduled for that course.
2. If his final grade be X.
3. If, as a conditional student, he fails to remove the condition at the time provided.

A student will not be allowed credit for a course in which he has failed until he shall have received such further instruction in that course as may be determined by the head of the department in which he has failed, and approved by the Committee on Students. In general, this will consist of the repetition of the work in the regular course in this College, but in particular cases permission may be granted to substitute work in the vacation courses of other approved colleges or private instruction by an approved tutor.

A student who fails in a course after repeating it cannot receive credit for that course in this institution and, thereby, automatically excludes himself from graduation.

## PROMOTION.

The regular promotions from one class to another will be made by the Committee on Students following the May examinations, and each student will receive written notice of his standing before June 30.

The general rules applying to promotions are as follows:

1. Students who have successfully completed all of the work of a given year will be promoted to the next higher class.

2. Students against whom there are entered not more than two conditions or one failure may be granted promotion *conditional* upon the accomplishment of certain specified work in approved Summer courses or the removal of conditions by examination in September. The granting of conditional promotion lies entirely in the discretion of the Committee on Students, who may withhold it and require the repetition\* of all of the work of that year. In reaching a decision in any particular case the committee will review the record of the student as to diligence, regularity in attendance, and attainments in courses other than those in which he is deficient, with a consideration of the bearing of the latter upon his ability to undertake successfully the work of the next higher year.

3. Students who have recorded against them failures in as many as two courses, or who have for any reason failed to obtain credit for three courses of any year, will not be granted promotion, and will be required to repeat all of the work of that year.\*

Promotion with conditions will in no wise alter the requirements for the removal of conditions.

### CLASSIFICATION.

Students not promoted and students conditionally promoted but failing to satisfy the conditions imposed will be enrolled in the year's work in which they have failed. They may take such courses of the next higher year as the Committee on Students may approve, which do not conflict with the scheduled appointments of the courses which they are required to repeat. *In all cases of students with mixed schedules, the courses of the lower year must be given precedence in any conflict of hours.*

In addition to the above, the following general rules of classification apply:

<i>Classification as a</i>	<i>Requires the removal of all conditions of the</i>
Junior .....	Freshman Year.
Senior .....	Freshman, Sophomore, and Junior Years.

The above rules for promotion and classification will also apply to students who enter with time and subject credit for work pursued in other medical colleges.

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\*The repetition of a course requires attendance of at least 80 per cent, the performance of all practical work and the attainment of at least a P (pass) mark as a final grade.

### REQUIREMENTS FOR GRADUATION.

In order to be admitted to the degree of Doctor of Medicine, an applicant must comply with the following conditions:

1. He must be at least twenty-one years of age.
2. He must have presented evidence of the preliminary training required at the time of entry of that class with which he seeks to graduate.
3. He must have been in residence as a matriculated medical student in an acceptable medical college for at least four annual sessions, of which at least the last must have been in this College.
4. He must have satisfactorily completed all courses of the first three years before beginning his Senior year.
5. He must have completed all courses of the Senior year with a general average satisfactory to the Faculty.
6. He must have discharged all his financial obligations to the College.

### THE DEGREE OF BACHELOR OF ARTS

is offered under the following conditions: Those students who have entered the College of Liberal Arts of the University of Tennessee with full high school credit and have completed in full the work of the first three years in the regular course, including the specific subjects required for admission to the College of Medicine, may substitute for the work of the Senior year in the College of Liberal Arts, the entire First Year Course in the College of Medicine. On the certification of the Faculty of the College of Medicine that this work has been satisfactorily completed, there will be conferred the degree of Bachelor Arts, and upon satisfactory completion of three more years in the College of Medicine, that of Doctor of Medicine.

### THE DEGREE OF BACHELOR OF SCIENCE

is offered to those students who successfully complete the two-year Preliminary Medical course and the first two years of the Medical course. The two-year Preliminary Medical Course is offered in Knoxville at the College of Liberal Arts. Full details concerning it may be found in the general Register of the University.

## FEES AND EXPENSES.

*The Tuition Fees* in the College of Medicine are as follows:

	First, Second and Third Year Courses Each	Fourth Year Course
To residents of Tennessee* .....	\$100	\$125
To non-residents of Tennessee matriculated in the College of Medicine prior to January 1, 1917 .....	\$125	\$150
To non-residents of Tennessee matriculated in the College of Medicine after January 1, 1917..	\$150	\$175

*The Matriculation Fee* of five dollars is charged to all students who have not been previously in residence in the University of Tennessee. This fee is payable but once and should accompany the formal application for admission. It is returnable only in case matriculation is refused.

*The Library Fee* of two dollars is payable at entrance, annually.

There are no extra fees for the use of lockers, special examinations, private quizzes during the session, graduation, diploma, etc.

An *Enrollment Fee* of two dollars is added to the fees of any student who fails to report in person to the Registrar or the Dean on or before the first day of the session (September 20, 1919).

A *Contingent Deposit* of ten dollars from each student of the First and Second Year Classes and of five dollars from each student of the Third and Fourth Year Classes is required as a guarantee against breakage, waste, loss of keys, etc. After the necessary deductions are made the balance is returnable to the student at the end of the year, or upon the return of all property loaned by the University, should the student withdraw earlier.

## PAYMENT OF FEES,

Before matriculation is completed a payment must be made covering the Matriculation Fee, the Library Fee, at least one-half of the Tuition Fee, the Contingent Deposit and (only in case of failure to report in person on the first day of the session) the Enrollment Fine of \$2. Registration (for students previously in attendance) requires the same payment with the exception of the matriculation fee. Any balance on the tuition fee is payable before February 2. Fees are payable in cash or by draft or money order; the latter should be drawn for the exact amounts and made

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\*This concession is in consideration of the public maintenance of the University. Before claiming this deduction, legal residence must be established. For voters who have not continuously resided in Tennessee since birth, registration is required; the legal residence of a minor is that of his parent or guardian. The fees of a student for the whole of any session will be based upon his legal residence in September.

payable to O. W. Hyman, Registrar-Bursar. No postponement of payments or deductions are allowed; notes are not accepted under any circumstances.

No student will be admitted to any laboratory or enrolled in any class until matriculation or registration is completed. In case of delinquency in payment of the second half of the tuition, the name of the student is dropped from the class rolls. No credit is allowed for any attendance during the time when the name of the student is not on the roll of a class.

The rolls of sections, assignments of lockers, seats, laboratory space, etc., are made in the order of the *completion* of matriculation or registration. Satisfaction of a portion only of the requirement does not entitle a student to reservations. (See Matriculation and Registration, page 22.)

#### REFUNDING OF FEES.

To any student who voluntarily withdraws within two weeks after entering, all money which he has paid for that year will be refunded, with the exception of the matriculation fee and such portion of his contingent deposit as may be required to make good any actual damage to laboratory equipment or other property of the University. To any student who voluntarily withdraws before the beginning of the second semester will be refunded any portion of the second half of the tuition fee.

To any student advised to withdraw on account of poor scholarship will be refunded the proportionate amount of his tuition. No refund of fees will be made to any student expelled, suspended, or required to withdraw on account of conduct.

#### OTHER EXPENSES.

Each student is required to own a microscope of approved type. Arrangements have been made with the manufacturers by which the University can order microscopes for students at a considerable discount from what they would have to pay if purchasing direct. A triple nose piece instrument with two objectives may be obtained in this way for from \$55 to \$60. This does not include the oil immersion lens, which is not required for use until the Sophomore Year; those who have purchased microscopes through the University may then secure this for not over \$30. This microscopic equipment is all that is required for the use of any student and by most physicians, but the more expensive accessories may be ordered, if desired.

Students in the Third Year Course will provide themselves each with a haemocytometer, haemoglobinometer, and a blood lancet.

Board with furnished room, fuel and lights may be obtained at a cost of from \$175 to \$225 for the session. The net cost of books and instruments averages between \$25 and \$35 per year.



## FEES FOR SPECIAL COURSES.

Graduate physicians, enrolling as special students, will pay a fee of \$10, which entitles them to attend any lectures and clinics during one session; for laboratory work the fee is \$10 to \$15 for each course taken with the regular classes during the session. Fees for special work during the session and during the summer vary from \$20 to \$30 for each laboratory course. Details may be had upon application to the Dean or the professor in whose department the work is desired.

Persons other than graduate physicians, entered as special students, pay the full regular undergraduate fees for tuition in proportion to work taken.

## THE PLAN OF INSTRUCTION

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The course of instruction covers four college years of thirty-two weeks each, exclusive of examinations and holidays, divided into two semesters. This arrangement makes it possible to secure a proper sequence in the curriculum and an even distribution of work throughout the year, while permitting a reasonable degree of concentration in the teaching of those subjects in which it is advantageous.

The curriculum has been graded to the end that the earlier courses are always preparatory to those which follow, and that no duplication of work occurs. The advantages of this sequence of courses can only be secured by regular attendance during periods comprising not less than the full thirty-two weeks, and by beginning each year with the first semester. For these reasons, entry at other times is only permitted under unusual circumstances and credit is allowed for completed courses only. For the same reason students are not permitted to undertake advanced work until they have completed the earlier preparatory courses; therefore a student is permitted to carry over from one year to another only a very limited number of conditions.

The general plan of the curriculum is that the first two, or pre-clinical years, are devoted almost entirely to the more strictly scientific work of the fundamental subjects, which serves as a basis for the clinical studies which follow. The instruction given during this period is primarily that of the laboratory; first hand, positive knowledge is the only kind which is of value to science, and chief attention is given to this essential part of the physician's equipment. The nature of the work demands the development of the powers of observation and reasoning, rather than those of memory. The laboratories are equipped for systematic and accurate work, and such work is exacted of the student.

Class room instruction consists of discussions of assigned readings, frequent oral and written recitations, and such demonstrations and lectures as are necessary in presenting those phases which do not lend themselves to laboratory treatment and in aiding the student properly to interpret and arrange his laboratory observations, and in keeping before him a comprehensive view of the work. The instruction during this period is almost entirely in the hands of full salaried, experienced teachers, who devote their entire time to this work.

Clinical instruction in the Junior Class is given in the Out-Patient Department. The class is divided into sections of one to five each, which work for periods of three to eight weeks in the departments of Medicine, Surgery, Gynecology, Genito-Urinary Diseases, etc. Here, under the careful supervision of one of the clinical instructors, they are trained in the methods of history taking, the making of a physical examination, and the process of arriving at an accurate clinical diagnosis.

The Senior Class is assembled in the forenoon for didactic or clinical lectures. The clinical lectures are accompanied by operations or demonstrations of one or more patients, representing the conditions under discussion. In the afternoon between the hours of two and four the class is divided into small sections for work in the Out-Patient Department or for ward rounds in the hospitals. During this time individual instruction is given.

Between the hours of four and six the members of the Senior Class act as clinical clerks in the Memphis General Hospital, the Baptist Memorial Hospital, and the Children's Hospital. Under the direction of instructors, physical examinations and laboratory tests are made; this also includes the writing of the case histories of all the patients in the hospitals. The following day each clinical clerk reports his findings before his section, and these are discussed and corrected by the instructor in charge.

### THE CURRICULUM.

The following curriculum represents a revision of the plan of instruction to conform to the requirements of the best experience. The effort has been to lay adequate and proportionate stress on all subjects which are essential to the equipment of the general practitioner, to reduce to a minimum the number of independent courses, and to secure a closer correlation in the teaching of related subjects.

The instruction is organized under six divisions, as follows:

Division I. Anatomy, Histology, and Embryology.

Division II. Physiology, Chemistry, Pharmacology, Therapeutics (including Pharmacy, Materia Medica, and Pharmacodynamics).

Division III. Pathology and Bacteriology (including Hygiene and Preventive Medicine).

Division IV. Medicine (including Clinical and Physical Diagnosis, Pediatrics, Dermatology and Syphilography, Tropical Medicine, Neurology and Psychiatry, Jurisprudence, and Ethics).

Division V. Surgery (including Ophthalmology, Otology, Laryngology, and Rhinology, Orthopedic, Genito-Urinary, and Rectal Surgery).

Division VI. Gynecology and Obstetrics.

### SYNOPSIS OF THE CURRICULUM.

The curriculum, as outlined below, contemplates an average of thirty-five scheduled hours of instruction per week of thirty-two weeks in each year. The following tables show the amount of time given to each subject in each year and the relative amounts of didactic, laboratory, and clinical work. Details as to the work of each course are given, under the several divisions, in the "Curriculum in Detail." The figures indicate the number of hours planned for each student. At present, all courses are required, but plans are under consideration for the introduction of a certain amount of elective work.

## GRADUATE AND SPECIAL COURSES.

All regular didactic and laboratory courses of the College are open to graduates in medicine who enroll with the Registrar and pay the required fees (see page 30). Certificates will be issued to graduates who regularly attend the full work of the Senior Class, or its equivalent, for eight weeks; also, to those who so attend for six weeks if there be included the completion of a laboratory course with examination. Details as to special work obtainable during the regular session or during the summer may be obtained on application to the Dean or to the professor in whose department the work is desired.

## The Plan of Instruction

## FIRST YEAR

	1st Sem.		2nd Sem.		Totals		Total
	Did.	Lab.	Did.	Lab.	Did.	Lab.	
Division of Anatomy:							
(1) Embryology .....	36	44	.....	.....	36	44	80
(2) Histology .....	30	58	30	82	60	140	200
(3) Gross Anatomy .....	48	96	16	96	64	192	256
Division of Physiology, Chemistry, Pharmacology and Therapeutics:							
(1) Chemistry .....	80	32	64	96	144	128	272
(2) Physiology .....	8	16	72	88	80	104	184
(3) Pharmacy and Materia Medica .....	40	24	.....	.....	40	24	64
Totals .....	242	270	182	362	424	632	1,056

## SECOND YEAR.

	1st Sem.		2nd Sem.		Totals		Total
	Did.	Lab.	Did.	Lab.	Did.	Lab.	
Division of Anatomy:							
(4) Gross Anatomy .....	24	96	32	120	56	216	272
Division of Physiology, Chemistry, Pharmacology and Therapeutics:							
(4) Physiology .....	32	32	.....	.....	32	32	64
(5) Pharmacology .....	64	.....	.....	.....	64	.....	64
(6) Pharmacodynamics .....	.....	.....	64	.....	64	.....	64
Division of Pathology and Bacteriology:							
(1) Bacteriology .....	32	104	.....	.....	32	104	136
(2-3) Pathology .....	32	88	32	128	64	216	280
(4) Hygiene .....	32	.....	.....	.....	32	.....	32
(5) Preventive Medicine .....	.....	.....	32	.....	32	.....	32
Division of Medicine:							
(1) Physical Diagnosis .....	16	.....	16	32	32	32	64
(2) Symptomatology .....	.....	.....	32	8	32	8	40
Division of Surgery:							
(1) Minor Surgery and Bandaging .....	.....	.....	16	8	16	8	24
Totals .....	232	320	224	296	456	616	1,072

## THIRD YEAR.

	1st Sem.		2nd Sem.		Totals		Total
	Did.	Cln.	Did.	Cln.	Did.	Cln.	
Division of Physiology, Chemistry, Pharmacology and Therapeutics:							
(7) General Therapeutics .....	40	.....	.....	.....	40	.....	40
(8) Anaesthetics .....	16	.....	.....	.....	16	.....	16
Division of Pathology and Bacteriology:							
(6) Clinical Diagnosis .....	32	.....	.....	64	32	64	96
Division of Medicine:							
(3) General Medicine .....	80	40	80	40	160	80	240
(5) Physical Diagnosis .....	32	.....	32	16	64	16	80
(6) Pediatrics .....	32	16	32	16	64	32	96
(7) Neurology .....	16	.....	16	.....	32	.....	32
(9)a Dermatology and Syphilography .....	.....	.....	16	.....	16	.....	16
Division of Surgery:							
(2) General Surgery .....	64	48	64	48	128	96	224
(3) Genito-Urinary Surgery .....	32	8	.....	8	32	16	48
(4) Operative Surgery .....	.....	32	.....	.....	.....	32	32
(5) Ophthalmology .....	.....	.....	32	.....	32	.....	32
(6) Otology, Laryngology and Rhinology .....	.....	.....	32	.....	32	.....	32
Division of Obstetrics and Gynecology:							
(1) Obstetrics .....	48	.....	48	.....	96	.....	96
(2) Gynecology .....	16	.....	16	16	32	16	48
Totals .....	408	144	368	208	776	352	1,128



FOURTH YEAR.

	1st Sem.		2nd Sem.		Totals		Total
	Did.	Cln.	Did.	Cln.	Did.	Cln.	
Division of Physiology, Chemistry, Pharmacology and Therapeutics:							
(9) Clinical Therapeutics.....			16		16		16
(10) Electro-Therapeutics.....	16				16		16
Division of Pathology and Bacteriology:							
(8) Clinical Pathological Conference .....		16		16		32	32
Division of Medicine:							
(8) General Medicine.....	32	65	32	81	64	146	210
(9)b Dermatology and Syphilography .....		16		16		32	32
(10) Pediatrics.....	16	16	16	16	32	32	64
(11) Psychiatry.....		10	32	10	32	20	52
(12) Rontgenology.....	8				8		8
(13) Medical Jurisprudence.....	16				16		16
(14) Medical Ethics.....			16		16		16
Division of Surgery:							
(7) General Surgery.....	32	48	32	48	64	96	160
(8) Clinical Surgery.....		72		72		144	144
(9) Orthopedic Surgery.....	16	12	16	12	32	24	56
(10) Genito-Urinary Surgery.....		4		4		8	8
(11) Ophthalmology.....		16		16		32	32
(12) Otology, Laryngology, Rhinology.....		16		16		32	32
(13) Proctology.....		20		20		40	40
(14) Anaesthetics.....		*		*		*	*
(15) Autopsies.....		*		*		*	*
Division of Obstetrics and Gynecology:							
(3) Obstetrics.....	32	32		32	32	64	96
(4) Gynecology.....	16	32		32	16	64	80
Totals.....	184	375	160	391	344	766	1,110

TOTAL NUMBER OF HOURS OF REQUIRED WORK BY DIVISIONS AND YEARS.

Divisions		First Yr.		Second Yr.		Third Yr.		Fourth Yr.		Totals		Total by Divisions
		Did.	Lab.	Did.	Lab.	Did.	Cln.	Did.	Cln.	Did.	Cln.	
I.	Anatomy.....	160	376	56	216					216	592	808
II.	Physiology, Chemistry, Pharmacology, Therapeutics.....	264	256	160	32	56		32		512	288	800
III.	Pathology and Bacteriology.....			160	320	32	64		32	192	416	608
IV.	Medicine.....			64	40	336	128	168	230	568	398	966
V.	Surgery.....			16	8	224	144	96	376	336	528	864
VI.	Obstetrics and Gynecology.....					128	16	48	128	176	144	320
		424	632	456	616	776	352	344	766	2,000	2,366	4,366
Totals by years.....		1,056		1,072		1,128		1,110		4,366		

SCHEDULES.

Schedules of exercises for the first and second year courses for the session of 1919-20 follow (pp. 36-37), and those for the work of the third and fourth years for the current session will be furnished on application to the Registrar.

The Executive Committee reserves the right to alter and amend schedules either before or during a session.

\*Clinical work as the opportunity becomes available; no definite number of hours can be stated.

**SCHEDULES OF EXERCISES, SESSION OF 1919-1920.  
FIRST YEAR CLASS.**

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
First Semisemester, September 22, 1919, to November 15, 1919, Inclusive						
8			Chemistry		Materia Medica	8
9	Histology	Histology	Embryology	Embryology	Chemistry	Embryology
10	Histology	Histology	Embryology	Embryology	Anatomy	Anatomy
11	Histology	Histology	Embryology	Embryology	Anatomy	Anatomy
1	Chemistry	Chemistry	Materia Medica	Chemistry		1
2	Materia Medica	Materia Medica	Materia Medica	Chemistry		2
3	Materia Medica			Chemistry		3
Second Semisemester, November 17, 1919, to January 24, 1920, Inclusive						
8			Physiology	Chemistry		8
9	Chemistry	Chemistry	Physiology	Histology	Materia Medica	Chemistry
10	Embryology	Embryology	Physiology	Histology	Histology	Materia Medica
11	Anatomy	Physiology	Anatomy	Histology	Histology	Embryology
1	Anatomy	Anatomy	Anatomy	Anatomy	Chemistry	1
2	Anatomy	Anatomy	Anatomy	Anatomy	Chemistry	2
3	Anatomy	Anatomy	Anatomy	Anatomy	Chemistry	3
Third Semisemester, February 2, 1920, to March 27, 1920, Inclusive						
8	Physiology		Anatomy			Chemistry
9	Physiology	Chemistry	Histology	Chemistry	Chemistry	Histology
10	Physiology	Chemistry	Histology	Chemistry	Chemistry	Histology
11	Anatomy	Chemistry	Histology	Chemistry	Chemistry	Histology
1	Anatomy	Anatomy	Anatomy	Anatomy	Physiology	1
2	Anatomy	Anatomy	Anatomy	Anatomy	Physiology	2
3	Anatomy	Anatomy	Anatomy	Anatomy	Physiology	3
Fourth Semisemester, March 29, 1920, to May 22, 1920, Inclusive						
8					Physiology	Chemistry
9	Physiology	Physiology	Physiology	Histology	Histology	Physiology
10	Physiology	Physiology	Physiology	Histology	Histology	Histology
11	Physiology	Physiology	Physiology	Histology	Histology	Histology
1		Chemistry	Chemistry	Physiology	Chemistry	1
2		Chemistry	Chemistry	Physiology	Chemistry	2
3		Chemistry	Chemistry	Physiology	Chemistry	3

**SECOND YEAR CLASS.**  
First Semester, September 22, 1919, to November 15, 1919, Inclusive

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8			Pharmacology		Hygiene	
9	Pathology	Pathology	Pathology	Physiology	Physiology	Anatomy
10	Pathology	Pathology	Pathology	Physiology	Pharmacology	Hygiene
11	Pathology	Pathology		Physiology	Pharmacology	Pharmacology
1	Pharmacology	Bacteriology	Bacteriology	Bacteriology	Bacteriology	
2	Pharmacology	Bacteriology	Bacteriology	Bacteriology	Bacteriology	
3		Bacteriology	Bacteriology	Bacteriology	Bacteriology	
Second Semester, November 17, 1919, to January 24, 1920, Inclusive						
8	Pathology	Physiology	Physical Diagnosis			
9	Pathology	Physiology	Pathology	Physical Diagnosis	Hygiene	Hygiene
10	Pathology	Physiology	Pathology	Bacteriology	Pathology	Pharmacology
11	Anatomy	Anatomy	Pathology	Physiology	Pharmacology	Bacteriology
1	Anatomy	Anatomy	Anatomy	Anatomy	Bacteriology	
2	Anatomy	Anatomy	Anatomy	Anatomy	Bacteriology	
3	Anatomy	Anatomy	Anatomy	Anatomy	Bacteriology	
Third Semester, February 2, 1920, to March 27, 1920, Inclusive						
8			Physical Diagnosis		Applied Anatomy	Preventive Medicine
9	Pathology	Pharmacodynamics	Applied Anatomy	Pathology	Pathology	Pathology
10	Pathology	Pharmacodynamics		Pathology	Pathology	Pathology
11	Pathology	Pharmacodynamics	Preventive Medicine	Pathology	Pathology	Pathology
1	Anatomy	Anatomy	Anatomy	Anatomy	Physical Diagnosis	
2	Anatomy	Anatomy	Anatomy	Anatomy	Physical Diagnosis	
3	Anatomy	Anatomy	Anatomy	Anatomy	Physical Diagnosis	
Fourth Semester, March 29, 1920, to May 22, 1920, Inclusive						
8			Symptomatology		Applied Anatomy	Preventive Medicine
9	Preventive Medicine	Symptomatology	Pathology	Pathology	Symptomatology	Pharmacodynamics
10	Symptomatology	Applied Anatomy	Pathology	Pathology	Pharmacodynamics	Pharmacodynamics
11			Pathology	Pathology	Pharmacodynamics	Pharmacodynamics
1	Minor Surgery	Pathology	Physical Diagnosis	Minor Surgery	Applied Anatomy	
2	Minor Surgery	Pathology	Physical Diagnosis		Applied Anatomy	
3			Symptomatology		Applied Anatomy	

## THE CURRICULUM IN DETAIL.

## I. DIVISION OF ANATOMY.

AUGUST HERMSMEIER WITTENBORG, *Professor of Anatomy and Administrative Head of the Division.*

ELMER ELLSWORTH FRANCIS, *Professor of Surgery and Applied Anatomy.*

ORREN WILLIAMS HYMAN, *Associate Professor of Histology and Embryology.*

ROBERT HORACE MILLER, *Assistant Professor of Anatomy.*

ELSIE McLaurin RUTLEDGE, *Assistant.*

## FIRST YEAR COURSES.

*Course 1—Embryology.* Formation of the germinal elements and development of the fetus and its membranes; organogeny.

Didactic work, 36 hrs.; laboratory, 44 hrs.; 1st sem. .... 80 hrs.  
(Associate Professor Hyman.)

*Course 2—Histology.* General and special histology, including neurology. Each student is furnished with a loan collection of prepared slides. The laboratory work consists of study of the slides by the students and demonstrations with the aid of projecting apparatus. A partial record of the work is made in drawings. The microscopic study of the organs is preceded by a macroscopic examination with a hand-lens.

Didactic work, 60 hrs.; laboratory, 140 hrs.; throughout the year, 200 hrs.  
(Associate Professor Hyman.)

*Course 3—Gross Anatomy.*

*a. Osteology and Arthrology,* with general lectures introductory to gross anatomy. Each student is supplied with half of a disarticulated skeleton for use throughout the course.

Didactic work, 32 hrs.; 1st ss. .... 32 hrs.  
(Professor Wittenborg.)

*b. Anatomy of the Lower Extremity, Abdomen, Pelvis, and Thorax.* Complete dissection of the leg with the structures attaching it to the trunk and of the abdomen, pelvis, thorax, and spinal cord and its membranes. The organs are studied in situ with their relations and after dissection are removed for examination. The dissection is accompanied by demonstrations, conferences, and daily individual quizzes over the cadaver.

Didactic work, 32 hrs.; laboratory, 192 hrs.; 2d and 3d ss. .... 224 hrs.  
(Professor Wittenborg, Assistant Professor Miller, and Assistants.)

## SECOND YEAR COURSES.

*Course 4—Gross Anatomy.*

*a. Anatomy of the Upper Extremity, Head and Neck.* A systematic dissection of these structures, including a laboratory study of the brain.

Didactic work, 24 hrs.; laboratory, 192 hrs.; 1st, 2d and 3d ss. .... 216 hrs.  
(Professor Wittenborg, Assistant Professor Miller, and Assistants.)



*b. Applied and Surgical Anatomy.* A study of the living subject, the undissected cadaver, regional dissections, and serial cross sections.

Lectures, 2d sem. ....32 hrs.  
(Professor Francis.)

Laboratory, 3 hrs. weekly; 4th ss.....24 hrs.  
(Assistant Professor Miller.)

*Special Dissection.* Advanced students may arrange for special laboratory work on application to the head of the Division.

## II. DIVISION OF PHYSIOLOGY, CHEMISTRY, PHARMACOLOGY AND THERAPEUTICS.

LUCIUS JUNIUS DESHA, *Professor of General and Physiological Chemistry.*  
JAMES HAROLD COLLINS, *Acting Professor of Physiology and Therapeutics.*  
THOMAS PALMER NASH, JR., *Acting Professor of General and Physiological Chemistry.*

WALTER HIRAM PISTOLE, *Professor of Applied Therapeutics.*

ROBERT LATTA CROWE, *Assistant Professor of Physiology and Pharmacology.*

CAMPBELL CREIGHTON EDMONDSON, *Instructor in Chemistry.*

### FIRST YEAR COURSES.

*Course 1—(A) Physical Chemistry.* Review and extension of those fundamentals of general and physical chemistry of especial importance in bio-chemistry.

Lecture and recitation, 2 hrs. weekly, 1st sem.....32 hrs.

*(B) Organic Chemistry.* The classification, nomenclature, and reactions typical of the compounds of carbon.

Lecture and recitation, 3 hrs. weekly, 1st sem.....48 hrs.

Laboratory, 2 hrs. weekly, 1st sem.....32 hrs.

*(C) Physiological Chemistry.* The chemistry of the processes considered in Course 2 from the standpoint of physiology. Includes: composition of foods; enzymes; digestion and metabolism of fats, carbohydrates, and proteins; fuel value of foods, energy requirements, and dietary standards; examination of blood, urine, etc., by qualitative and quantitative methods.

Lecture and recitation, 2d sem.....64 hrs.

Laboratory, 2d sem.....96 hrs.

(Professor Nash and Mr. Edmondson.)

*Course 2—Physiology.* The general physiology of the entire body, muscle, nerve, central and autonomic nervous systems, special sense, respiration, circulation, digestion, internal secretion, and metabolism. Text-book, Howell, in connection with Cannon's Laboratory Guide.

Lecture, demonstration, and recitation, 2d, 3d, and 4th ss.....80 hrs.

Laboratory, 2d, 3d and 4th ss.....104 hrs.

(Professors Collins and Crowe.)



*Course 3—(A) Pharmacy.* This includes a course of practical laboratory work over weights and measures, pharmaceutical definitions, and the manufacture of the official preparations of the Pharmacopeia and National Formulary.

Laboratory, 1st sem.....24 hrs.

*(B) Materia Medica.* This includes a description of the drugs recognized by the Pharmacopeia. The students are given an opportunity to familiarize themselves with the different drugs from the museum of the department which contains over 1,500 drugs and medicinal preparations.

Didactic, 1st sem.....40 hrs.

(Assistant Professor Crowe.)

#### SECOND YEAR COURSES.

*Course 4—Physiology.* This course embraces sixteen lectures in dietetics; ten quizzes and ten lectures over pathological physiology, including psychological physiology and laboratory experiments on mammals, with particular reference to internal secretion, metabolism, respiration, and circulation, and their abnormalities. Text-book, Biefeld's Basis of Symptoms.

Lecture and recitation, 1st sem.....32 hrs.

Laboratory, 1st sem.....32 hrs.

(Professors Collins and Crowe.)

*Course 5—Pharmacology.* (A) The physiological action of the principal drugs with their toxicology.

Lecture and recitation, 1st sem.....32 hrs.

(B) Preparation and presentation by each student of two six hundred word themes, and the preparation of cards embracing the Materia Medica and Pharmacology of the important drugs. Prescription writing. Methods of administration. Pharmacological incompatibilities. Text-book, Bastedo, Pharmacology and Therapeutics.

Lecture and recitation, 1st sem.....32 hrs.

(Professors Collins and Crowe.)

*Course 6—Pharmacodynamics.* Laboratory experiments, performed and recorded by the students, illustrating in detail the action of therapeutically important drugs on both warm and cold blooded animals, with selected experiments in toxicology. Text-book, Jackson's Experimental Pharmacology.

Laboratory, 2d sem.....64 hrs.

(Professors Collins and Crowe.)

#### THIRD YEAR COURSES.

*Course 7—General Therapeutics.* Drug action in pathological conditions and indications for drug therapy.

Didactic, 1st sem.....40 hrs.

(Professor Collins.)

*Course 8—Anaesthetics.* Methods of administration of local and general anaesthetics; indications for the use of anaesthetics; and the dangers of each, with treatment of the principal complications.

Didactic, 1 hr. weekly, 1st sem.....16 hrs.  
(Professor Collins.)

FOURTH YEAR COURSES.

*Course 9—Clinical Therapeutics.* Clinical instruction in drug therapy with special reference to other therapeutic measures employed in hospital and private practice. Hydrotherapy; massage; re-education; etc.

Clinical and Didactic, 2d sem.....16 hrs.  
(Professor Collins.)

*Course 10—Electrotherapeutics.* Instruction in the application of electricity and allied forces to the treatment of diseased conditions.

Didactic, 1st sem.....16 hrs.  
(Professor Collins.)

III. DIVISION OF PATHOLOGY AND BACTERIOLOGY.

HERBERT THOMAS BROOKS, *Professor of Pathology.*

WILLIAM KRAUSS, *Professor of Bacteriology, Preventive Medicine and Tropical Medicine.*

\*———, *Professor of Bacteriology and Public Health.*

JOHN ALEXANDER MCINTOSH, JR., *Instructor in Pathology and Clinical Diagnosis.*

WILLIE MAURICE MCINNIS, *Instructor in Bacteriology.*

SECOND YEAR COURSES.

*Course 1—Bacteriology.* Instruction and practical exercises in preparation of culture media; inoculation, culture, methods of staining and morphological characteristics of bacteria, yeasts and molds, with particular attention to pathogenic bacteria.

a. Lectures, 1st sem. ....32 hrs.  
b. Laboratory work, 1st sem.....104 hrs.  
(Professor ——\*)

*Course 2—General Pathology.* A study of the fundamental pathological processes, such as inflammations, circulatory disturbances, degenerations, etc.

a. Lectures, 1st sem.....32 hrs.  
(Professor Brooks and Dr. McIntosh.)  
b. Microscopical study of lesions; 1st sem.....88 hrs.  
(Professor Brooks, Dr. McIntosh.)

*Course 3—Special Pathology.* A study of the lesions of individual organs.

a. Didactic work; 2d sem. ....32 hrs.  
(Professor Brooks and Dr. McIntosh.)

\*To be filled.

- b. Laboratory study of microscopic and gross specimens; 2d sem. ....128 hrs.  
(Professor Brooks, Dr. McIntosh.)

*Course 4—Hygiene.* Domestic and municipal sanitation and the general principles underlying public health.

- Lectures, 1st sem. ....32 hrs.  
(Professor Krauss.)

*Course 5—Public Hygiene and Preventive Medicine.* A study of water supplies, food adulteration, sewage disposal, methods of disinfection, quarantine, vital statistics and related subjects of particular importance to health officers.

- Lectures, 2d sem. ....32 hrs.  
(Professor Krauss.)

#### THIRD YEAR COURSES.

*Course 6—Clinical Diagnosis.* Chemical and microscopical study of pathological urines, gastric contents, intestinal contents, exudates, transudates, sputum, and blood, including serological tests.

- a. Didactic work, 2 hrs. weekly; 1st sem. ....32 hrs.  
(Professor Brooks and Dr. McIntosh.)
- b. Laboratory work, 2d sem., each section of class. ....64 hrs.  
(Dr. McIntosh.)

#### FOURTH YEAR COURSES.

*Course 7—Autopsies.* The class is divided into sections which are called in rotation to attend and take part in the postmortem examinations. From fifty to sixty autopsies are performed during each session.

(Professor Brooks, Dr. McIntosh.)

*Course 8—Clinical Pathological Conference.* The Senior Class assembles once a week for a seminar class under the guidance of the head of the Department of Pathology.

- One hour weekly throughout the year. ....32 hrs.

### IV. DIVISION OF MEDICINE.

#### *Administrative Committee.*

McELROY, Chairman; HAASE and WARR.

GEORGE GILLESPIE BUFORD, *Professor of Functional Nervous Diseases and Psychiatry.*

MARCUS HAASE, *Professor of Dermatology and Syphilography.*

JOHN JOSEPH HUDDLESTON, *Professor of Medicine and Clinical Medicine.*

ARTHUR GRANT JACOBS, *Professor of Pediatrics.*

WILLIAM KRAUSS, *Professor of Preventive Medicine and Tropical Medicine.*

LOUIS LEROY, *Professor of Medicine and Clinical Medicine.*

JAMES BASSETT McELROY, *Professor of Medicine and Clinical Medicine.*

REUBEN SAUNDERS TOOMBS, *Professor of Medicine and Medical Ethics.*

BENJAMIN FRANKLIN TURNER, *Professor of Neurology.*  
 OTIS SUMTER WARR, *Professor of Medicine and Clinical Medicine.*  
 BRYCE WASHINGTON FONTAINE, *Associate Professor of Medicine and Physical Diagnosis.*  
 EDWARD CLAY MITCHELL, *Associate Professor of Pediatrics.*  
 JESSE JAMES CULLINGS, *Instructor in Medicine.*  
 WILLIAM GLASSSELL SOMERVILLE, *Instructor in Nervous and Mental Diseases.*  
 WALTER THOMAS SWINK, *Instructor in Medicine.*  
 WALTER RICHARD WALLACE, *Instructor in Mental Diseases.*  
 JOHN WILLIAM FARLEY, *Lecturer on Medical Jurisprudence.*  
 WALTER SIBLEY LAWRENCE, *Lecturer on Roentgenology.*  
 LEE ALEXANDER STONE, *Lecturer on Medical Sociology.*  
 STANLEY NEEDHAM BRINSON, *Associate in Medicine.*  
 RICHARD CLINTON BUNTING, *Associate in Neurology.*  
 ARTHUR FERDINAND COOPER, *Associate in Pediatrics.*  
 CLAUDE WELCH EDWARDS, *Associate in Medicine.*  
 JOEL JONES HOBSON, *Associate in Pediatrics.*  
 KINSEY MANSFIELD BUCK, JOE CLIFTON, ALLEN GOZA COLEMAN, THOMAS NELSON COPPEDGE, EDWIN CYRIL GILLESPIE, VINCENT DEPAUL KING, FRANK THOMAS MITCHELL, WILLIAM WRIGHT MITCHELL, BENJAMIN FRANKLIN NORWOOD, JAMES PATRICK OWENS, ARTHUR GARDNER QUINN, HENRY RUDNER, MILTON BARNEY SELIGSTEIN, MARCUS GUSTAVUS SPINGARN, *Clinical Assistants.*

#### SECOND YEAR COURSES.

*Course 1—Physical Diagnosis.* The study of the normal positions and relations of the various organs, together with their physical signs; instruction in making physical examinations and taking case histories.

- a. Didactic work, 2 hrs. weekly, 2nd, 3rd and 4th ss.....32 hrs.  
(Dr. Cullings.)
- b. Practical work in sections; 4th ss.....8 hrs.  
(Drs. Cullings and Rudner.)

*Course 2—Symptomatology.* In this course an effort is made to familiarize the student with commoner symptoms of disease; the manner of their production and the conditions in which they are found are discussed in a general way. This is intended as an introductory course of medicine.

- a. Didactic work, 2 hrs. weekly; 2nd sem.....32 hrs.  
(Dr. Cullings.)
- b. Practical work in sections; 4th ss.....32 hrs.  
(Dr. Cullings.)

#### THIRD YEAR COURSES.

*Course 3—General Medicine.* Recitations, including infectious diseases, tropical diseases, diseases of the respiratory and circulatory systems, diseases of the digestive and the urinary system, constitutional diseases, and diseases of the blood and ductless glands.

- a. Didactic work, 4 hrs. weekly, throughout the year.....128 hrs.  
(Professors Leroy, Krauss, Warr, Huddleston.)
- b. Practical exercises in the Out-Patient Department; daily,  
throughout the year; in sections; each student..... 80 hrs.  
(Drs. Brinson, Clifton, Coleman, Mitchell, Rudner.)
- c. Clinical conference and seminar class; 1 hr. weekly  
throughout the year ..... 32 hrs.  
(Professor McElroy.)

*Course 4—Clinical Diagnosis.* (See Course 6, Division of Pathology and Bacteriology.) .....96 hrs.

*Course 5—Physical Diagnosis.* Continuation of Course 1. Demonstrations, recitations, and practical exercises in the physical diagnosis of thoracic and abdominal diseases, including the technique of sphygmography, sphygmomanometry, and the like.

- a. Didactic work, 2 hrs. weekly, through the year.....64 hrs.
- b. Clinical work, 1 hr. weekly, 2d sem.....16 hrs.  
(Professor Fontaine.)

*Course 6—Pediatrics.* Physiology of infancy, care of the new-born, infant feeding and the diseases peculiar to infancy and childhood.

- a. Didactic, 2 hrs. weekly, throughout the year.....64 hrs.  
(Professor Jacobs.)
- b. Clinical lecture, with case demonstration, 1 hr. weekly,  
throughout the year .....32 hrs.  
(Professor Jacobs.)

*Course 7—Neurology.* Physiology and pathology of the nervous system, and the etiology, symptomatology, diagnosis, and treatment of the commoner diseases of the central nervous system.

- Didactic work, 1 hr. weekly, throughout the year.....32 hrs.  
(Professor Turner, Dr. Somerville.)

*Course 9a—Dermatology and Syphilography.* A study of the more common lesions of the skin and their histo-pathology, and the skin manifestations of congenital and acquired syphilis.

- a. Lecture, 1 hr. weekly, 2d sem.....16 hrs.  
(Professor Haase.)

#### FOURTH YEAR COURSES.

*Course 8—General Medicine.* Continuation of the work of Course 3, including the rarer and more technical diseases. The clinical lectures embrace practical demonstrations of groups of related diseases.

- a. Clinical lectures, 2 hrs. weekly, throughout the year.....64 hrs.  
(Professors McElroy and Leroy.)
- b. Ward Clinics, including a weekly clinical pathological conference; daily through the year; each student.....50 hrs.  
(Professors Warr, Fontaine, Brooks, McElroy.)



- c. Clinical clerk service, daily throughout the year, each student .....80 hrs.
- d. Clinical Applied Therapeutics, 1 hr. weekly, 2d sem.....16 hrs.  
(Professor Huddleston.)

*Course 9b—Dermatology and Syphilography.* Practical demonstrations in Out-Patient Department and wards of Memphis General Hospital; each student.....32 hrs.  
(Professor Haase.)

*Course 10—Pediatrics.*

- a. Clinical lecture, 1 hr. weekly, throughout the year.....32 hrs.  
(Dr. Mitchell.)
- b. Practical work in the wards of the Children's Hospital and Baptist Memorial Hospital, including service as clinical clerks in the hospitals, each student.....32 hrs.  
(Professors Jacobs and Mitchell.)

*Course 11—Psychiatry and Functional Disorders of the Nervous System.*

- a. Didactic work, 2 hrs. weekly, 2d sem.....32 hrs.  
(Professor Buford and Dr. Wallace.)
- b. Practical demonstrations of neurological cases in the Out-Patient Department and wards of Memphis General and Baptist Memorial Hospitals and Shelby County Poor and Insane Asylum; each student.....20 hrs.  
(Drs. Summerville, Bunting and Wallace.)

*Course 12—Roentgenology.* The technique and practical applications of Roentgen rays in the diagnosis and treatment of disease is given to small sections.

- 1st sem., each student..... 8 hrs.  
(Dr. Lawrence.)

*Course 13—Medical Jurisprudence.* The legal aspects of medicine.

- Lecture, 1 hr. weekly, 1st sem.....16 hrs.  
(Mr. Farley.)

*Course 14—Medical Ethics.* Discussion of the ethics of medicine.

- Lecture, 1 hr. weekly, 2d sem.....16 hrs.  
(Professor Toombs.)

## V. DIVISION OF SURGERY.

*Administrative Committee.*

MALONE, Chairman; HASKELL and McGEHEE.

WILLIS COHOON CAMPBELL, *Professor of Orthopedic Surgery.*

EDWARD COLEMAN ELLET, *Professor of Ophthalmology.*

ELMER ELLSWORTH FRANCIS, *Professor of Surgery, Clinical Surgery and Surgical Anatomy.*

MAXIMILIAN GOLTMAN, *Professor of Surgery and Clinical Surgery.*

DAVID MAX HENNING, *Professor of Proctology.*  
 EUGENE MICHEL HOLDER, *Professor of Surgery and Clinical Surgery.*  
 GEORGE ROBERTSON LIVERMORE, *Professor of Genito-Urinary Surgery.*  
 JOHN LUCIUS MCGEEHEE, *Professor of Operative Surgery.*  
 RICHMOND MCKINNEY, *Professor of Otology, Laryngology, and Rhinology.*  
 BATTLE MALONE, *Professor of Surgery and Clinical Surgery.*  
 JOHN STUDEBAKER WINTER, *Acting Professor of Operative Surgery.*  
 ROBERT FAGIN, *Associate Professor of Ophthalmology.*  
 LEWIS WARDLAW HASKELL, JR., *Associate Professor of Surgery.*  
 ROBERT MANN, *Associate Professor of Operative Surgery.*  
 BUFORD NELSON DUNAVANT, *Instructor in Surgery.*  
 JOHN ALEXANDER McDONALD, *Instructor in Genito-Urinary Surgery.*  
 SELMER BURCHART, *Associate in Genito-Urinary Diseases.*  
 WILLIAM BRITT BURNS, *Associate in Surgery.*  
 LOUIS LEVY, *Associate in Otology, Laryngology and Rhinology.*  
 ALPHONSE HERMAN MEYER, *Associate in Surgery.*  
 RAPHAEL EUSTACE SEMMES, *Associate in Surgery.*  
 ROBERT HORACE MILLER, *Assistant in Operative and General Surgery.*  
 ERNEST LYNNE ANDERSON, WILLIAM HUPP BALDWIN, ABRAHAM BLECKER,  
 JULIAN BAKER BLUE, WILLIAM FRANKLIN CLARY, ISAAC GOODMAN DUN-  
 CAN, JOHN A. HUGHES, THOMAS HARKINS INGRAM, MAX KAPLAN, FOR-  
 EST REESE KENTON, ARCHIBALD CLARY LEWIS, JOSEPH ADDISON LIPSCOMB,  
 HENRY AUSTIN MANN, HARRY F. MINOR, FONTAINE MOORE, JEROME  
 LOGAN MORGAN, PERCY AUGUSTUS PERKINS, JOHN J. SHEA, JOSEPH  
 HENRY SMITH, JAMES B. STANFORD, W. LIKELY SIMPSON, MURRAY TATE,  
*Clinical Assistants.*

## SECOND YEAR COURSE.

*Course 1—Minor Surgery and Bandaging.* Instruction in bandaging, taking of surgical histories, preparation and sterilization of surgical material, preparation of patients for operation and their after treatment.

4th ss., each student ..... 24 hrs.  
 (Dr. Miller.)

## THIRD YEAR COURSES.

*Course 2—General Surgery.* Instruction in the major portion of the principles and practice of surgery.

- a. Didactic work, 4 hrs. weekly, through the year.....128 hrs.  
 (Associate Professor Haskell, Drs. Miller and Semmes.)
- b. Practical demonstration and individual instruction in the treatment of the surgical cases of the Out-Patient Department; each student .....96 hrs.  
 (Drs. Semmes, Duncan and Kenton.)

*Course 3—Genito-Urinary Surgery.* Etiology, diagnosis and treatment of the genito-urinary and venereal diseases.

- a. Didactic work, 2 hrs. weekly, 1st sem.....32 hrs.

- b. Practical work in College Free Dispensary, each student..16 hrs.  
(Professor Livermore.)

(Drs. Burchart, Baldwin, and Morgan.)

*Course 4—Operative Surgery.* Operations upon the cadaver and upon animals are performed by the students under supervision of the instructors; special attention is given to surgical anatomy and operative technique.

Each student .....32 hrs.  
(Professors McGehee, Mann and Winter; Drs. Blecker and Miller.)

*Course 5—Ophthalmology.* Instruction in the internal and external diseases of the eye and their relation to general diseases.

Didactic work, 2 hrs. weekly, 2d sem.....32 hrs.  
(Professors Ellet and Fagin.)

*Course 6—Otology, Laryngology, and Rhinology.* Instruction in the symptomatology, diagnosis, and treatment of the more common diseases of the ear, nose, and throat.

Didactic work, 2 hrs. weekly, 2d sem.....32 hrs.  
(Professor McKinney.)

#### FOURTH YEAR COURSES.

*Course 7—General Surgery.* Continuation of Course 2, with special reference to the more intricate surgical conditions.

- a. Didactic work, 2 hrs. weekly, throughout the year.....64 hrs.  
(Professor Holder, Drs. Semmes and Perkins.)

- b. Practical work with patients in the wards of the Memphis General, Baptist Memorial, and St. Joseph's Hospitals, including three weeks' service as clinical clerk in the Memphis General Hospital; each student.....96 hrs.  
(Professor Haskell, Drs. Dunavant and Semmes.)

*Course 8—Clinical Surgery.* General Clinics in which surgical cases are exhibited, discussed and operated upon before the class.....144 hrs.  
(Professors Francis, Goltman, Holder, Malone, Haskell.)

*Course 9—Orthopedic Surgery.* Instruction in the recognition of the deforming diseases of children and adults and the principles of their mechanical and operative correction.

- a. Didactic, 1 hr. weekly, throughout the year.....32 hrs.  
(Professor Campbell.)

- b. Clinical lectures and demonstrations.....24 hrs.  
(Professor Campbell.)

- c. Practical work in Out-Patient Department and wards of Memphis General Hospital; each student..... 8 hrs.  
(Dr. Anderson.)

*Course 10—Genito-Urinary Surgery.* Practical work in the wards of the Memphis General Hospital and clinical demonstrations in the amphitheatre. Each student..... 8 hrs.  
(Professor Livermore, Drs. McDonald and Burchart.)

*Course 11—Ophthalmology.* Exhibition of patients illustrating various conditions relating to the eye, methods of treatment and operations; practical work and amphitheatre clinics, in Out-Patient Department and Memphis General and Baptist Memorial Hospitals; each student.....32 hrs.  
(Professors Ellett, Fagin, Drs. Lewis, Minor, and Stanford.)

*Course 12—Otology, Laryngology, and Rhinology.* Discussion and exhibition of cases illustrating the various conditions relating to the ear, nose, and throat; methods of treatment, operations, etc.; practical work and amphitheatre clinics. Each student .....32 hrs.  
(Professor McKinney, Drs. Levy, Simpson, and Fontaine Moore.)

*Course 13—Proctology.* Instruction in the diseases of the rectum and anus.

a. Clinical lectures with case demonstrations, 1 hr. weekly, throughout the year .....32 hrs.  
(Professor Henning.)

b. Practical work in the Out-Patient Department and hospital wards; each student ..... 8 hrs.  
(Professor Henning, Drs. Clary and Kaplan.)

*Course 14—Anaesthetics.* Assisting clinicians in the administration of anaesthetics during service as junior internes in Memphis General and Baptist Memorial Hospitals.

*Course 15—Autopsies.* (See Course 7, Division of Pathology and Bacteriology.)

## VI. DIVISION OF OBSTETRICS AND GYNECOLOGY.

### *Administrative Committee.*

MAURY. Chairman; SMYTHE, and TOOMBS.

JOHN METCALF MAURY, *Professor of Gynecology.*

FRANK DAVID SMYTHE, *Professor of Gynecology.*

PERCY WALTHALL TOOMBS, *Professor of Obstetrics.*

JOHN CHAMBERS AYRES, *Instructor in Obstetrics.*

WILLIAM THOMAS BLACK, *Instructor in Gynecology.*

WILLIAM THOMAS PRIDE, *Instructor in Obstetrics.*

WILLIAM S. A. CASTLES, *Associate in Obstetrics.*

WILSON LYCURGUS WILLIAMSON, *Associate in Gynecology.*

SAMUEL BEN ANDERSON, JOHN MOORE BIGGS, ANDREW HARRIS BUTLER,

GEORGE GARTLEY, WILLIAM EGBERT RAGSDALE, FRANK WARD SMYTHE,

PERCY HOXIE WOOD, *Clinical Assistants.*

### THIRD YEAR COURSES.

*Course 1—Obstetrics.* The diagnosis, physiology and pathology of pregnancy; the mechanism of normal labor; complications during and following labor, etc.

a. Didactic, 3 hrs. weekly, 1st sem.....48 hrs.  
(Dr. Ayres.)

b. Didactic, 3 hrs. weekly, 2d sem.....48 hrs.  
(Professor Toombs.)

*Course 2—Gynecology.* The anatomy of the pelvis, the embryology, histology, and physiology of the female generative organs, together with methods of gynecological examinations and diagnosis; elementary pathology and outlines of treatment of pelvic diseases.

a. Didactic work, 1 hr. weekly, throughout the year.....32 hrs.  
(Professors Maury and Smythe.)

b. Clinical service in sections, Out-Patient Department, after-  
noons, 2-4, each student.....16 hrs.  
(Drs. Williamson, Gartley, Wood.)

#### FOURTH YEAR COURSES.

*Course 3—Obstetrics.*

a. Didactic work, dealing with surgical obstetrics, 2 hrs. week-  
ly, 1st sem.....32 hrs.  
(Professor Toombs.)

b. Ante-partum examinations, Out-Patient Department, and  
the same with cases assigned for delivery in Memphis  
General Hospital; each student .....48 hrs.  
(Professor Toombs, Drs. Ayres, Pride, Castles.)

c. Clinical lectures, with complicated deliveries, before the  
class .....16 hrs.  
(Professor Toombs.)

*Course 4—Gynecology.* The symptomatology, diagnosis, and treatment,  
both medical and surgical, of the diseases of the female generative organs.

a. Lectures, 1 hr. weekly, 1st sem.....16 hrs.  
(Professors Maury and Smythe.)

b. Clinical service in Out-Patient Department, hospital ward  
rounds and amphitheatre clinics; each student.....16 hrs.  
(Professors Maury, Smythe, Dr. Black.)

c. Clinical lectures; exhibition and discussion of interesting  
cases, followed by operation, before the class.....48 hrs.  
(Professors Maury and Smythe.)



# CATALOGUE OF STUDENTS

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## COLLEGE OF MEDICINE

### GRADUATES IN MEDICINE, 1918

ANTONY, GEORGE CLAYBORNE.....	Pineville, La.
BERTRAM, JOHN CLAUDE.....	Jamestown
COLLETTE, ALLAN .....	Montesuma, Wash.
COLLIER, GATES .....	Dallas, Texas
FATHERREE, IRENE FERRELL.....	Laurel, Miss.
GRIFFITH, JAMES BEATY.....	Friendship, Md.
GUTHRIE, WILSON GREGORY.....	Charlotte, N. C.
HARDIN, BEDFORD FORREST.....	Clifton
KING, VINCENT DEPAUL.....	Memphis
MCCAUGHAN, JOHN JOSEPH.....	Memphis
MCCUSKEY, CHARLES FLETCHER.....	McMechen, W. Va.
PENNINGTON, JOHN AWVILLE.....	Ripley
ROBERTS, ALBERT LEE.....	Louin, Miss.
SANFORD, CONLEY HALL.....	Dyer
SIGLER, BAXTER HOPEWELL.....	Clay, Ky.
SNODGRASS, WARD ALMA.....	Evant, Texas
TURNER, CARROL CONWAY.....	Memphis
VENZKE, HARRY .....	Memphis

### FACULTY MEDAL

ANTONY, GEORGE CLAYBORNE.....	Louisiana
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### HONOR CERTIFICATES

ANTONY, GEORGE CLAYBORNE.....	Louisiana
COLLIER, GATES .....	Texas
GRIFFITH, JAMES BEATY.....	Maryland
GUTHRIE, WILSON GREGORY.....	North Carolina
SANFORD, CONLEY HALL.....	Tennessee

### POST-GRADUATE STUDENTS

KIRBY, STELLA, M.D.....	Memphis
LIGHTFOOT, EARL C., M.D.....	Mineral, Kan.
MONTGOMERY, A. H., M. D.....	Burnsville, Miss.
SIMS, J. P., M. D.....	Friendship

### SENIOR CLASS

ANDERSON, JAMES GILEY.....	Juno
BEST, HARVEY TAYLOR.....	Grenada, Miss.

*BUTLER, JAMES RODERICK.....	Mountain City
COORS, GILES AUGUSTUS .....	Memphis
COX, JOHN EMIT.....	Colliersville
DUPREE, FREDERICK FRIEBELE.....	New Orleans, La.
DURHAM, MYLIE EUGENE.....	Houston Heights, Texas
FRANKLIN, ROBERT TAYLOR.....	Memphis
HERRON, STANFORD MORTON .....	Jackson
HOLIFIELD, JOHN QUINCEY .....	Tiptonville
JAMES, CARMEN EASLEY.....	Humboldt
LAFOND, DOLAR JOSEPH A.....	Fall River, Mass.
MITCHELL, JOSEPH ISOLIN.....	Memphis
ORTIZ, ROMEU ALFREDO.....	Mayaguez, Porto Rico
PULLIAM, HARRY NELSON.....	Memphis
PURCELL, HOWARD MCKINLEY.....	Jackson
SMITH, CARL WILLIAM.....	Princeton, W. Va.
WATKINS, JOHN FRANKLIN.....	Ogden, Utah
WHEELER, JOSEPH EDWARD.....	Meridian, Miss.
WITTE, OLIVER BERNARD.....	Fayetteville, Texas
YOKLEY, CHARLES WILLIS.....	Baileyton

### JUNIOR CLASS

*ADAMS, FRED .....	Memphis
AGEE, DOROTHY LOGSDON.....	Fort Worth, Texas
ARCHER, EVERETT BENJAMIN.....	Halls
BROOKS, WILL WILKERSON.....	Memphis
CROWE, ROBERT LATTA .....	Memphis
ELCAN, PAUL DILLARD.....	Memphis
FOSSEY, HERBERT LEIGHTON.....	Miami, Fla.
GOODE, DELMAR .....	Memphis
GREEN, HARRY .....	Memphis
HALL, JAMES SMITH.....	Clinton
HAYNES, GRADY O'FERRELL.....	Nashville
ISAACS, PHILIP LESSER.....	Memphis
JACOBSON, HARRY JACOB .....	Memphis
LIDDELL, SAMUEL HOUSTON.....	Rena Lara, Miss.
McCLUNG, MARSHALL LEO.....	Pensacola, Fla.
McCORMICK, RUDOLPH BURROW.....	Arlington
RICH, CYRIL ADELBERT.....	Soda Springs, Idaho
WILLIAMSON, SAMUEL BEVERLY.....	Milan

### SOPHOMORE CLASS

*BARRETT, JAMES EAGLE.....	Grubbs, Ark.
BARRON, JOHN LYON.....	Memphis
BRACKIN, HENRY BRYAN.....	Westmoreland
BROWN, HARRY HILTON.....	Jasper
CARNES, EDWIN HAMMOND .....	Memphis

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\*Incomplete attendance.

DINSMORE, WARREN TALMAGE.....	Wheeling, W. Va.
MADDOX, JOHN WILLARD.....	Delrose
MASSEY, LORENZO DOW.....	Memphis
MIMS, WILLIAM DINGUID.....	Normal
MITCHELL, WILLIAM GRADY.....	Memphis
MONGER, RALPH HORACE.....	Knoxville
POTTS, CHARLES HAYGOOD.....	Jackson
RUTLEDGE, LEWIS JONES.....	Memphis
SAVERY, HARRY WILKERSON.....	Coffeyville, Kans.
SHEPPARD, EDWIN FRANKLIN.....	Memphis
SIMS, HUNTER COWAN.....	LaGrange
STRAIN, SAMUEL FREDERICK.....	Knoxville
THOMPSON, BURCH.....	Enid, Miss.
WHITEHEAD, WILLIAM DALES.....	Memphis

## FRESHMAN CLASS

JARVIS, SAMUEL TIPTON.....	Grays, Ky.
MCCREARY, ALBERT BENJAMIN.....	Bloomington
MCDANIEL, LOWRY HAROLD.....	Covington
ODOM, HENRY GRADY.....	Memphis
PEISER, IRVIN HENRY.....	Memphis

## SPECIAL STUDENTS

HUNTER, AGNES BARRINGTON.....	Memphis
MCCULLOUGH, J. C.....	Atlanta, Ga.
MCLISTER, WALDO ALEXANDER LENO.....	Brighton
ROSEBOROUGH, EVELYN.....	Memphis

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\*Incomplete attendance.

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